

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Reviewed by: Ralph Gosney, P.E.

GENERAL INFORMATION:

Source Name:	Cardinal Health, Inc.
Mailing Address:	1100 Enterprise Drive, Winchester, Kentucky 40391
Date application received:	December 20, 2001, replaced February 18, 2003
SIC/Source description:	2834, Pharmaceutical Preparations
Source ID #:	21-049-00040
Source A.I. #:	813
Activity #:	APE20040001
Permit number:	F-05-041

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input checked="" type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☒ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy) ¹	Potential (tpy)
PM/PM ₁₀	12	< 90 ²
SO ₂	0.05	0.12
NO _x	9	17.0
CO	4	11.4
VOC	3	< 90 ³
Individual HAP > 10 tpy	None	< 9 ³
Combined HAPs > 25 tpy	None	< 22.5 ³

1. Actual emissions are from the Kentucky Division for Air Quality's 2005 Emissions Inventory report.
2. Uncontrolled potential emissions are greater than 100 tons per year and this is allowable by 401 KAR 59:010. This federally enforceable source emission limitation is established in the permit to ensure compliance with 401 KAR 52:030 for this Conditional Major permit.
3. Federally enforceable source emission limitations established in the permit.

SOURCE DESCRIPTION:

Cardinal Health Inc. (formerly International Processing Corporation, IPC) produces food, pharmaceutical and chemical products by using various solvents in granulation, coating and drying operations. Primary emission units include pharmaceutical processing units, as well as boilers and storage tanks. The processing units utilize aqueous or solvent solutions to produce the pharmaceuticals. Solvents used in the production of solvent-based pharmaceutical products include Ethanol, Isopropanol, Acetone, Methanol, and Methyl Ethyl Ketone, with a small amount of Acetonitrile used in the QC lab. The volatile organic compounds emitted through solvent processing are controlled by catalytic oxidizers. The Standard Industrial Classification (SIC) Code for this source is 2834, *Pharmaceutical Preparations*.

The potential to emit (as defined in 401 KAR 52:001, Section 1 (56)) of VOC, any single hazardous air pollutant (HAP), and the combination of HAPs are greater than major source thresholds. The uncontrolled potential to emit of PM₁₀ is greater than one hundred (100) tons per year and is allowable by limitations of 401 KAR 59:010. To preclude the applicability of 401 KAR 52:020, *Title V Permits*, and 401 KAR 51:017, *Prevention of significant deterioration of air quality*, the source has requested voluntary federally enforceable permit limits below major source thresholds. Therefore, the source is subject to the provisions of 401 KAR 52:030, *Federally-enforceable permits for nonmajor sources*.

EMISSION AND OPERATING CAPS DESCRIPTION:

Clark County is designated as attainment for all criteria pollutants. To preclude the applicability of 401 KAR 52:020, *Title V permits*, total annual source-wide emissions shall not exceed the following specific limitations on a twelve (12) consecutive month basis:

- a. Volatile organic compound (VOC) emissions: 90 tons per year;
- b. Particulate matter (PM/PM₁₀) emissions: 90 tons per year;
- b. Combined hazardous air pollutant (HAP) emissions: 22.5 tons per year; and
- c. Single hazardous air pollutant (HAP) emissions: 9 tons per year.

Compliance with these limits shall also make the requirements of 40 CFR Part 63 for major sources of HAP emissions, as incorporated by reference at 401 KAR 63:002, not applicable to this source. Compliance with these limits shall also make the requirements of 401 KAR 51:017, *Prevention of significant deterioration of air quality*, not applicable to this source.